

- Monitors from one to six gases
- Wide range of field-replaceable sensors
- User and site ID data entry
- Datalogging capability standard
- Dot matrix display with backlighting
- 50 ppm resolution for hydrocarbons
- LEL/CH<sub>4</sub> over-range protection
- 24-hour runtime with Lithium-ion batteries



The iTX Multi-Gas Monitor is the industry's most versatile portable gas detection instrument. Designed to grow with you as your monitoring needs change, the iTX can go from being a single gas unit to a six-gas monitor, or anything in between, with just a few simple user configurations and sensor changes. Featuring advanced "smart" sensor technology, the iTX is capable of recognizing and configuring a wide assortment of field replaceable, interchangeable sensors. Enhanced benefits include a 50 ppm resolution for hydrocarbons, LEL and methane sensor over range protection, and a zero-bias ammonia sensor for increased stability. Providing simplified, single-button operation and calibration functions, the iTX's special Quick-Cal feature quickly calibrates up to four sensors at once, saving time and calibration gas costs.

The iTX provides superior, user configurable datalogging and hygiene functions which allow the monitor to store up to 300 hours of survey data at one minute intervals. The unit also includes STEL and TWA readings and alarms as well as iButton® technology, which allows the operator to input user data and site information.

The iTX also features a backlit LCD that simultaneously displays all gases monitored, ultra-bright LED visual alarms and a powerful 90 dB audible alarm, all encased in a compact, rugged stainless steel housing to provide maximum durability and RFI protection.

The iTX boasts superior security and safety features including configurable user access codes to protect calibration and alarm settings, and a time delay power button to prevent accidental turnoff. The unit is also DS2 compatible to utilize the additional benefits of the Docking Station™.

## SPECIFICATIONS

### Case:

Type 304 Stainless Steel

### Dimensions:

121 mm x 81 mm x 43 mm (4.75" x 3.2" x 1.68")

### Weight:

524.5 g (18.5 oz)

### Sensors:

Combustible Gas/Methane – Catalytic Diffusion  
Oxygen and Toxic Gases – Electrochemical

### Measuring Ranges:

Combustible Gases – 0 to 100% LEL in 1% or 50 ppm increments  
Methane – 0 to 5% of volume in 0.1% increments  
Oxygen – 0 to 30% of volume in 0.1% increments  
Carbon Monoxide, Hydrogen, Hydrogen Sulfide, Nitric Oxide –  
0 to 999 ppm in 1 ppm increments  
Chlorine – 0.2 to 50 ppm in 0.1 ppm increments  
Nitrogen Dioxide, Sulfur Dioxide – 0.2 to 99.9 in 0.1 ppm increments  
Hydrogen Cyanide, Hydrogen Chloride – 0.2 to 30 ppm in 0.1 ppm increments  
Ammonia – 0 to 100 ppm in 1 ppm increments  
Chlorine Dioxide, Phosphine – 0 to 1 ppm in 0.01 ppm increments

### Power Source:

Rechargeable Lithium-ion (Li-ion) Battery Pack  
(24 hours typical, 15 hours with iSP parasitic pump)  
Replaceable AA Alkaline Battery Pack (12 hours typical)

### Temperature Range:

-20°C to 50°C (-4°F to 122°F) typical

### Humidity Range:

15 to 95% RH (non-condensing)

### Approvals:

UL and CSA – Class I, Groups A,B,C,D T4; Class I, Zone 0, Ex ia d IIC T4  
MSHA – Intrinsically safe for Methane/Air mixtures only  
ATEX – EEx ia d IIC T4; Equipment Group and Category II 2G / I M2  
Australia – Ex ia s Zone 0 I IP65  
Russia – GOST R

The iTX has many optional sensor and equipment combinations. The matrix below can assist in determining the proper part number for the combination that best suits your needs. For example: An iTX with an O<sub>2</sub> sensor, LEL sensor, CO sensor, H<sub>2</sub>S sensor, with a lithium-ion battery, would have the following part number 18104307-11014.

ORDERING INFORMATION						
18104307- ABCDEF	A	B	C	D	E	F
	0 - None	0 - None	0 - None	0 - None	0 - None	English
	1 - O <sub>2</sub>	1 - LEL	1 - CO (high)	1 - CO	1 - CO	_ - Li-ion
		2 - CH <sub>4</sub>	2 - NO*	2 - NO*	2 - NO*	A - Alkaline
			3 - NH <sub>3</sub> *	3 - None	3 - None	
			4 - H <sub>2</sub> S	4 - H <sub>2</sub> S	4 - H <sub>2</sub> S	French
			5 - SO <sub>2</sub>	5 - SO <sub>2</sub>	5 - SO <sub>2</sub>	1 - Li-ion
			6 - NO <sub>2</sub>	6 - NO <sub>2</sub>	6 - NO <sub>2</sub>	2 - Alkaline
			7 - None	7 - Cl <sub>2</sub>	7 - Cl <sub>2</sub>	
			8 - None	8 - HCl*	8 - HCl*	Spanish
			9 - None	9 - HCN	9 - HCN	5 - Li-ion
			A - None	A - ClO <sub>2</sub>	A - ClO <sub>2</sub>	6 - Alkaline
			B - CO/H <sub>2</sub> Null	B - None	B - None	
			C - None	C - None	C - None	
			D - None	D - PH <sub>3</sub>	D - PH <sub>3</sub>	
			E - None	E - H <sub>2</sub>	E - H <sub>2</sub>	
			F - CO/H <sub>2</sub> S			


**Note:** Use sensors in the gray section only for three, five and six gas configurations or for special application sensors.  
**\* Recommend Li-ion battery option**

MOST COMMON INSTRUMENT CONFIGURATIONS	
Equipped with Li-ion battery, to order with Alkaline batteries add an 'A' as a suffix	
PART NUMBER	DESCRIPTION
18104307-11014	iTX – LEL, O <sub>2</sub> , CO, H <sub>2</sub> S, Li-ion
18104307-11100	iTX – LEL, O <sub>2</sub> , CO, Li-ion
18104307-11400	iTX – LEL, O <sub>2</sub> , H <sub>2</sub> S, Li-ion
18104307-12100	iTX – CH <sub>4</sub> , O <sub>2</sub> , CO, Li-ion
18104307-11000	iTX – LEL, O <sub>2</sub> , Li-ion
18104307-11126	iTX – LEL, O <sub>2</sub> , CO, NO, NO <sub>2</sub> , Li-ion
18104307-11145	iTX – LEL, O <sub>2</sub> , CO, H <sub>2</sub> S, SO <sub>2</sub> , Li-ion
18104307-11147	iTX – LEL, O <sub>2</sub> , CO, H <sub>2</sub> S, Cl <sub>2</sub> , Li-ion
18104307-11314	iTX – LEL, O <sub>2</sub> , CO, H <sub>2</sub> S, NH <sub>3</sub> , Li-ion
18104307-11347	iTX – LEL, O <sub>2</sub> , NH <sub>3</sub> , H <sub>2</sub> S, Cl <sub>2</sub> , Li-ion

OPTIONAL ACCESSORIES	
PART NUMBER	DESCRIPTION
18105551-ABC+	DS2 Instrument Docking Station for iTX
18104315	Single-Unit Compact Charger, Universal
18105296	Single-Unit Compact Charger, 12 VDC
18104737-120	iTX Charger w/Datalogging Kit, 120 VAC
18104737-230	iTX Charger w/Datalogging Kit, 230 VAC
18104737-12	iTX Charger w/Datalogging Kit, 12 VDC
18104711-120	iTX Charger/Datalink, 120 VAC
18104711-230	iTX Charger/Datalink, 230 VAC
18104711-12	iTX Charger/Datalink, 12 VDC
18105379	6-Unit Charger w/Flying Leads & Cradle for iTX (universal input)
18106245	iTX Truck-Mount Charger, 12V
18106104	iTX Truck-Mount Charger, (hard-wired)
18104646	iSP Motorized Sampling Pump
18105189	iTX Constant-Flow Hand Aspirated Pump
17088618	Rechargeable Lithium-ion (Li-ion) Battery Pack
17089376	Replaceable Cell Alkaline Battery Pack
18104687	iTX/iSP Nylon Carrying Case
18104703	iTX Leather Carrying Case
16000039	iTX Training Video

## + DS2 Docking Station Ordering Information

A = Wireless Option (currently unavailable)      0 - none  
 B = number of iGas Readers  
 C = Power Cord Option  
 0 - US    1 - UK    2 - EU    3 - AUS    4 - ITA    5 - DEN    6 - SWZ



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